

18 December 1959

MEMORANDUM FOR THE RECORD:

STATINTL

1. The [REDACTED] 2-stage rectifier is to be completed and ready for testing on or about 15 February. At this time we are to send our trainees for check-out. The first rectifier is to go to the Air Force, SAC. It will have in its base a simple computer which will accept IBM cards which will control the exposure time.

2. The exposure is made by a Zenon vertical line light source travelling horizontally behind the negative being rectified. This is a differential movement dependent upon the degree of tilt and upon the variable density of the negative. Presently we are not scheduled to get the exposure computer in our rectifier.

3. It is recommended that we have the exposure computer incorporated into our rectifier. By so doing we will

a. Relieve our operators of one more job of setting that he may well make an error in performing.

b. We will achieve more uniform exposure on our rectifications.

c. Relieve ourselves of setting up a notebook of all the various combinations possible which would have to be read and then set into the machine.

d. Required exposure could be arrived at more quickly since the IBM card deck could be sent through the machine sort.

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It is further recommended that we send one of our computer boys to [REDACTED] as soon as possible to both ascertain just what they are planning to do and to offer them guidance so our

ALWAC may be used to solve the problem and we then could
convert tape to card.

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PIC/TISD/TD&SS [REDACTED] gm(3591)-18 Dec 59